

Crystal and molecular structure of methyl α -D-galactopyranoside 4-(sodium sulphate) dihydrate J. A. Kanters, B. van Dijk, and J. Kroon (Utrecht, The Netherlands)	1
Incidence and avoidance of stereospecific 1,2-ethylthio group migration during the synthesis of ethyl 1-thio- α -L-rhamnopyranoside 2,3-orthoester F.-I. Auzanneau and D. R. Bundle (Ottawa, Ont., Canada)	13
Thermal and photochemical degradation of sodium <i>N</i> -acetylneuraminate N. Sugiyama, K.-i. Saito, K. Fujikura, K. Sugai, N. Yamada, M. Goto, C. Ban, E. Hayasaka, and K. Tomita (Tokorozawa, Japan)	25
Synthesis of aromatic Amadori compounds M. G. López and D. W. Gruenwedel (Davis, CA, U.S.A.)	37
Chemical synthesis and biological activities of 6,6'-di- <i>O</i> -mycoloyl- β , β - and - α , β -trehalose I. Azuma, T. Sakurai, H. Ishida (Sapporo, Japan), T. Kitajima, and M. Yamazaki (Shizuoka, Japan)	47
One-step preparation of 6-perfluoroalkylalkanoates of trehalose and sucrose for biomedical uses S. Abouhilale, J. Greiner, and J. G. Riess (Nice, France)	55
Deoxyhydroxyamino analogs of sugars: derivatives of methyl 2,3-dideoxy-2-hydroxyamino- α -D- <i>arabino</i> - and - <i>lyxo</i> -hexopyranosides J. M. J. Tronchet, N. Bizzozero, M. Zsély, F. Barbalat-Rey, N. Dolatshahi, G. Bernardinelli, and M. Geoffroy (Geneva, Switzerland)	65
A new stereospecific method for 1,2- <i>cis</i> -glycosylation N. K. Kochetkov, E. M. Klimov, N. N. Malysheva, and A. V. Demchenko (Moscow, U.S.S.R.)	77
An improved synthesis of evernitrose P. Jütten and H.-D. Scharf (Aachen, F.R.G.)	93
Kinetic aspects of the glass-transition behaviour of maltose-water mixtures T. R. Noel, S. G. Ring, and M. A. Whittam (Norwich, Gt. Britain)	109
Formation of dihydrofuran derivatives by intramolecular substitution of the <i>manno</i> adducts formed by Michael reaction of a 1- <i>O</i> -acetyl-3- <i>C</i> -nitro-2-enopyranose derivative with 2,4-pentanedione and dibenzoylmethane T. Sakakibara, A. Seta, and T. Nakagawa (Yokohama, Japan)	119
Structure and reactions of amino- and nitro-heptoseptanosides obtained by cyclization of dialdehydes with nitromethane J. Defaye, A. Gadelle, F. Movillat, R. Nardin (Grenoble, France), and H. H. Baer (Ottawa, Ont., Canada)	129
Extraction and characterisation of water-soluble pectic substances from guava (<i>Psidium guajava</i> L.) O. Marcelin, L. Saulnier, and J.-M. Brillouet (Montpellier, France)	159
Structure of pescaproside E, a fatty acid glycoside from <i>Ipomoea pescaprae</i> R. Srivastava, K. Sachdev, K. P. Madhusudan, and D. K. Kulshreshtha (Lucknow, India)	169

Alfalfa-stem pectins: enzymic degradation and structural characterization of a buffer-soluble fraction R. D. Hatfield (Madison, WI, U.S.A.)	177
Structure of the O21 antigen from <i>Serratia marcescens</i> D. Oxley and S. G. Wilkinson (Hull, Gt. Britain)	187
The hydrodynamic frictional coefficient of polysaccharides: the role of the glycosidic linkage O. Zamparo and W. D. Comper (Clayton, Vic., Australia)	193
Analysis of the characteristic action of D-enzyme from sweet potato in terms of subsite theory T. Suganuma, S. Setoguchi, S. Fujimoto, and T. Nagahama (Kagoshima, Japan)	201
Structure of a mannan isolated from the lipopolysaccharide of the reference strain (S3255) for a new serogroup of <i>Serratia marcescens</i> D. Oxley and S. G. Wilkinson (Hull, Gt. Britain)	213
Structural studies of the capsular polysaccharide from <i>Actinobacillus pleuropneumoniae</i> serotype 12 L. M. Beynon, J. C. Richards, and M. B. Perry (Ottawa, Ont., Canada)	219
Investigation of the fine structure of alpha-dextrins derived from amylopectin and their relation to the structure of waxy-maize starch E. Bertoft (Turku, Finland)	229
<i>Notes</i>	
Chains of intermediate lengths in waxy-maize amylopectin E. Bertoft (Turku, Finland)	245
A database of three-dimensional structures of monosaccharides from molecular-mechanics calculations S. Pérez and M.-M. Delage (Nantes, France)	253
Synthesis and reactions of 2-methyl-5-(D-arabino-tetrahydroxybutyl)-3-furoylhydrazine M. M. El Sadek and N. B. Zagzoug (Alexandria, Egypt)	261
Synthesis of 2-acetamido-2-deoxy-3-O-β-D-galactopyranosyl-D-galactopyranose from 2-acetamido-2-deoxy-D-glucose through a trifluoromethylsulfonyl group displacement A. Lubineau and H. Bienaymé (Orsay, France)	267
Enolate semiquinones formed during the alkaline oxidative degradation of 2-deoxy sugars I. Šimkovic, P. Pelikán, and J. Plaček (Bratislava, Czechoslovakia)	273
A facile, large-scale preparation of the methyl 2-thioglycoside of N-acetylneuraminic acid, and its usefulness for the α-stereoselective synthesis of siaglycosides A. Hasegawa, H. Ohki, T. Nagahama, H. Ishida, and M. Kiso (Gifu, Japan)	277
2-C-Carbamoyl-, 2-C-cyano, and 2-C-acetamidomethyl-substituted glycosides D. Mostowicz, O. Zegrocka, and M. Chmielewski (Warsaw, Poland)	283
Maltotetraose-forming amylase-mediated, p-nitrophenyl α- and β-maltopentaoside formation in an aqueous-organic solvent system: a substrate for human amylase in serum K. Ogawa, T. Murata, and T. Usui (Shizuoka, Japan)	289
Somatic antigens of pseudomonads: structure of the O-specific polysaccharide chain of <i>Pseudomonas syringae</i> pv. <i>syringae</i> (cerasi) 435 lipopolysaccharide E. V. Vinogradov, A. S. Shashkov, Ya. A. Knirel (Moscow, U.S.S.R.), G. M. Zdorovenko, L. P. Solyanik, and R. I. Gvozdyak (Kiev, U.S.S.R.)	295

Somatic antigens of pseudomonads: structure of the O-specific polysaccharide chain of <i>Pseudomonas syringae</i> pv. <i>lachrymans</i> 7591 (serogroup IX) lipopolysaccharide A. S. Shashkov, E. V. Vinogradov, E. D. Daeva, Ya. A. Knirel (Moscow, U.S.S.R.), G. M. Zdorovenko, N.Ya. Gubanova, L. M. Yakovleva, and I.Ya. Zakharova (Kiev, U.S.S.R.)	301
Somatic antigens of pseudomonads: structure of the O-specific polysaccharide chain of <i>Pseudomonas syringae</i> pv. <i>tabaci</i> 225 (serogroup VIII) lipopolysaccharide E. V. Vinogradov, A. S. Shashkov, Ya. A. Knirel (Moscow, U.S.S.R.), G. M. Zdorovenko, L. P. Solyanik, N.Ya. Gubanova, and L. M. Yakovleva (Kiev, U.S.S.R.)	307
Somatic antigens of pseudomonads: structure of the O-specific polysaccharide chain of <i>Pseudomonas gladioli</i> pv. <i>alliiicola</i> 8494 (serogroup X) lipopolysaccharide E. V. Vinogradov, E. D. Daeva, A. S. Shashkov, Ya. A. Knirel (Moscow, U.S.S.R.), G. M. Zdorovenko, L. M. Yakovleva, N.Ya. Gubanova, and L. P. Solyanik (Kiev, U.S.S.R.)	313
The methyl ether as a protective group: synthesis of aminocyclitols K. Schürle, B. Beier, O. Werbitzky, and W. Piepersberg (Wuppertal, F.R.G.)	321
<i>Preliminary communication</i>	
A convenient synthesis of <i>O</i> - α -L-fucopyranosyl-(1 \rightarrow 2)- <i>O</i> - β -D-galactopyranosyl-(1 \rightarrow 4)-D-glucopyranose (2'- <i>O</i> - α -L-fucopyranosyllactose) R. K. Jain, R. D. Locke, and K. L. Matta (Buffalo, NY, U.S.A.)	c1
Synthesis of 2,6-anhydro-3-deoxy-L-threo-hex-2-enitol ('L-sorbal') and of L-tagatose from D-galactose P. L. Barili, G. Berti, F. D'Andrea, and A. Gaudiosi (Pisa, Italy)	c5
Peroxidation of saccharide phenylhydrazones H. S. El Khadem, A. Crossman, Jr., and D. Bensen (Washington, DC, U.S.A.)	c9
<i>Book review</i>	c13
<i>Announcement</i>	c15
<i>Author index</i>	c17
<i>Subject index</i>	c19
<i>Contents (Vol. 212)</i>	c23